SOT1456-2



plastic very-very-thin fine-pitch ball grid array package; 155 balls, 0.5 mm pitch, 7.5 mm x 7.5 mm x 0.62 mm body

6 July 2020

Package information

1 Package summary

Terminal position code B (bottom)

Package type descriptive code WFBGA155

Package style descriptive code WFBGA (very-very-thin profile fine-pitch ball

grid array package)

Package body material type P (plastic)

Mounting method type S (surface mount)

Issue date 18-06-2020

Manufacturer package code 98ASA01265D

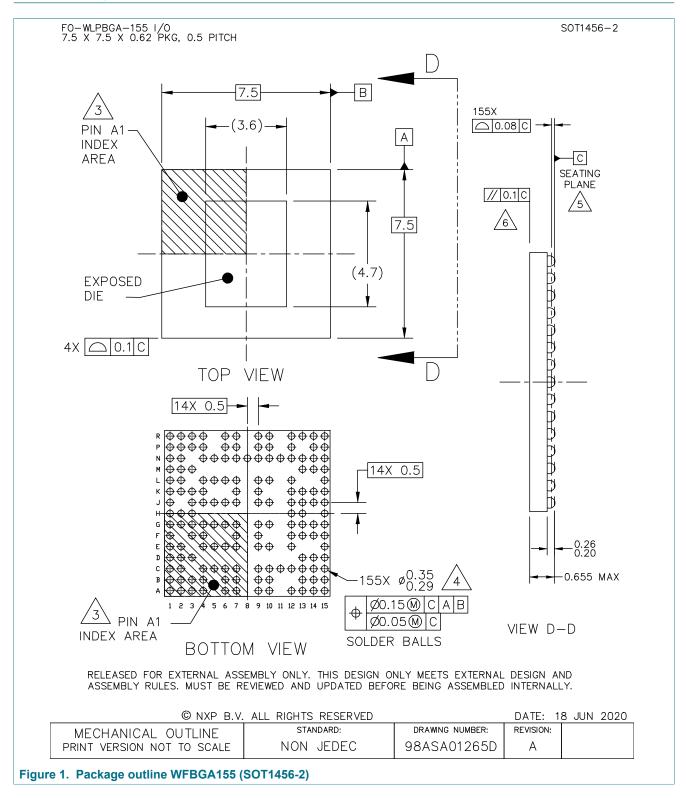
Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	7.4	7.5	7.6	mm
package width	7.4	7.5	7.6	mm
package height	-	0.62	0.655	mm
nominal pitch	-	0.5	-	mm
actual quantity of termination	-	155	-	



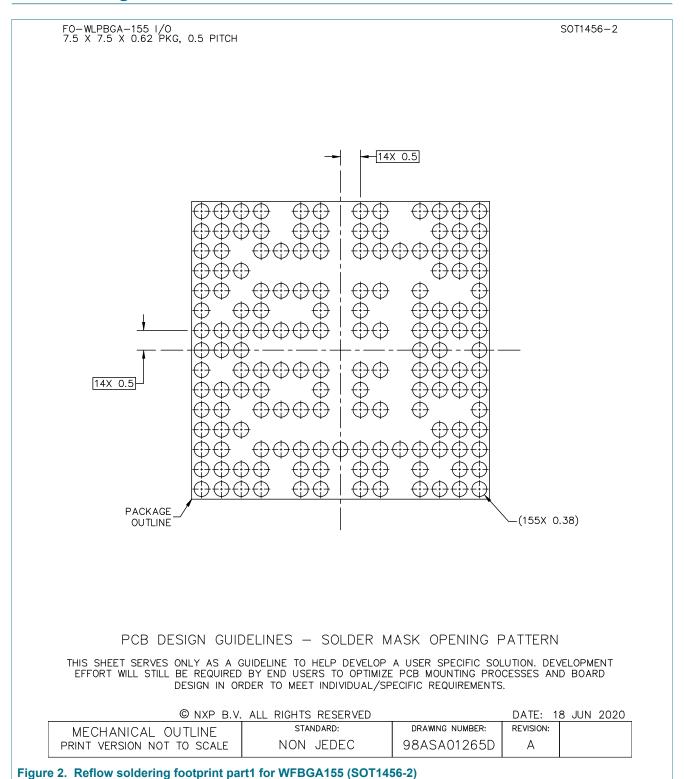
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2 Package outline



plastic very-very-thin fine-pitch ball grid array package; 155 balls, 0.5 mm pitch, 7.5 mm x 7.5 mm x 0.62 mm body

3 Soldering



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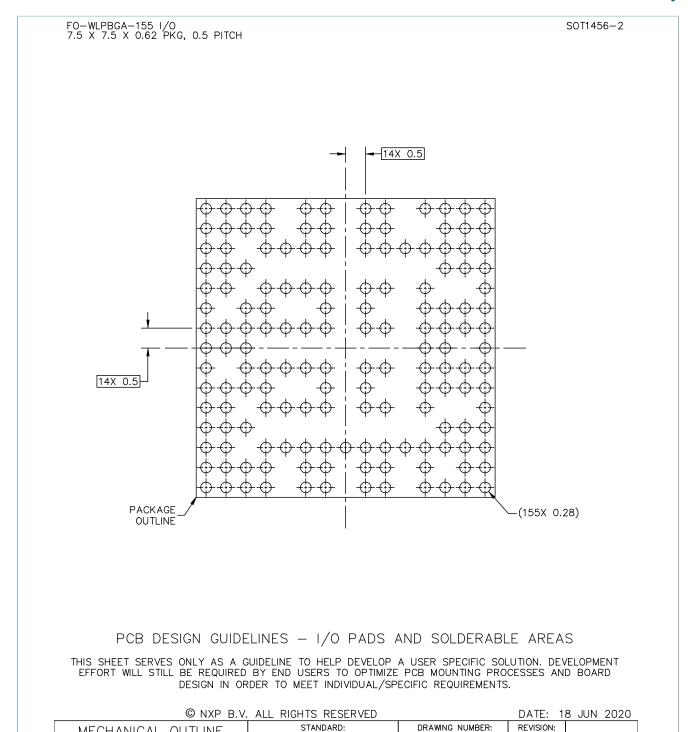


Figure 3. Reflow soldering footprint part2 for WFBGA155 (SOT1456-2)

MECHANICAL OUTLINE

PRINT VERSION NOT TO SCALE

SOT1456-2

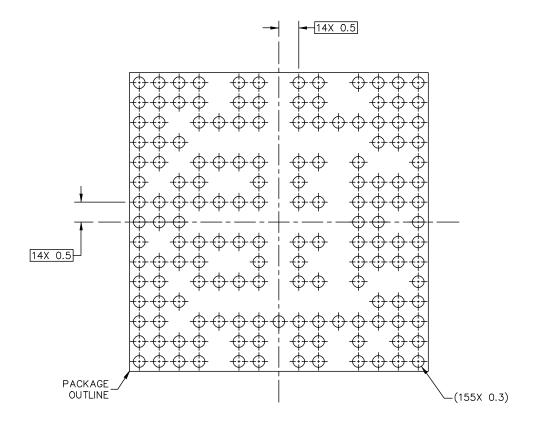
NON JEDEC

98ASA01265D

Α

plastic very-very-thin fine-pitch ball grid array package; 155 balls, 0.5 mm pitch, 7.5 mm x 7.5 mm x 0.62 mm body

FO-WLPBGA-155 I/O SOT1456-2 7.5 X 7.5 X 0.62 PKG, 0.5 PITCH



RECOMMENDED STENCIL THICKNESS 0.1

PCB DESIGN GUIDELINES - SOLDER PASTE STENCIL

THIS SHEET SERVES ONLY AS A GUIDELINE TO HELP DEVELOP A USER SPECIFIC SOLUTION. DEVELOPMENT EFFORT WILL STILL BE REQUIRED BY END USERS TO OPTIMIZE PCB MOUNTING PROCESSES AND BOARD DESIGN IN ORDER TO MEET INDIVIDUAL/SPECIFIC REQUIREMENTS.

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Figure 4. Reflow soldering footprint part3 for WFBGA155 (SOT1456-2)

plastic very-very-thin fine-pitch ball grid array package; 155 balls, 0.5 mm pitch, 7.5 mm x 7.5 mm x 0.62

FO-WLPBGA-155 I/O 7.5 X 7.5 X 0.62 PKG, 0.5 PITCH

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NOTES:

- 1. ALL DIMENSIONS IN MILLIMETERS.
- 2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.

/3.\ PIN A1 FEATURE SHAPE, SIZE AND LOCATION MAY VARY.

MAXIMUM SOLDER BALL DIAMETER MEASURED PARALLEL TO DATUM C. DATUM C THE SEATING PLANE, IS DETERMINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.

6.\ PARALLELISM MEASUREMENT SHALL EXCLUDE ANY EFFECT OF MARK ON TOP SURFACE OF PACKAGE.

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Figure 5. Package outline note WFBGA155 (SOT1456-2)

plastic very-very-thin fine-pitch ball grid array package; 155 balls, 0.5 mm pitch, 7.5 mm x 7.5 mm x 0.62 mm body

4 Legal information

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